

	L #	Hits	Search Text
→	1 L1	1494	cpg and (oligo or oligonucle\$8)
	2 L6	5991	2 3
	3 L7	28	1 and 6
	4 L8	28	1 and 6
→	5 L9	8	tctcccagcgtgcgcat
	6 L10	0	9 and 6
→	7 L11	6	tccatgacgttcctgacgtt
	8 L12	0	11 and 6
	9 L13	0	9 same alum
	10 L14	0	9 and alum
	11 L15	0	11 and alum
	12 L16	3	11 and freund\$2
	13 L17	1	9 and freund\$2
	14 L18	3	16 17
	15 L19	2	(9 11) and cfa
	16 L20	0	(9 11) and lfa
	17 L21	0	'Quil A'
	18 L22	1	6013258.pn. and quill
	19 L23	1	6013258.pn. and 'quill'
	20 L24	0	6013258.pn. and 'quill a'
	21 L25	6063	6 quill
	22 L26	30	1 and 25
	23 L27	2	26 not 8
	24 L28 1050	qs7 qs18 'qs 7' 'qs 18'	
	25 L29 2135	qs7 qs17 qs18 'qs 7' 'qs 17' 'qs 18'	
→	26 L30	329	qs21 'qs 21'
	27 L31	2172 63	saponin quilla quill 29 30
	28 L32	533	1 and 31
	29 L34	2	1 and 30
	30 L33	520	1 and 29
→	31 L35	1204	qs7 qs17 qs18 'qs 7' 'qs 17' 'qs 18'
	32 L36	6216	30 35 saponin quilla quill
	33 L37	30	1 and 36
	34 L38	2	1 and 35
	35 L39	15	35 and saponin
→	36 L40	37	qa7 qa17 qa18 'qa 7' 'qa 17' 'qa 18'
→	37 L41	35	qa21 'qa 21'
→	38 L42	3979	saponin quilla quill
	39 L43	5374	30 35 40 41 42
	40 L44	30	1 and 43
	41 L45	26	1 and 42
	42 L46	30	1 and 43
	43 L47	0	1 and 41

6069242

	L #	Hits	Search Text
44	L48	0	1 and 40
45	L49	4	43 same plasmid
46	L50	0	(40 35) same plasmid
47	L51	0	(30 41) same plasmid
48	L52	0	(30 41) same cpg
49	L53	2	(30 41) and cpg
50	L54	2	(35 40) and cpg

(FILE 'HOME' ENTERED AT 13:39:26 ON 20 JUL 2001)

FILE 'REGISTRY' ENTERED AT 13:39:34 ON 20 JUL 2001

L1 5 S TCCATGACGTTCTGACGTT/SQEN
L2 11 S TCCATGACGTTCTGACGTT/SQSN

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 13:49:04 ON 20 JUL 2001

L3 41 S (L1 OR L2) AND ADJUVANT#
L4 41 DUP REM L3 (0 DUPLICATES REMOVED)
L5 41 S L1 AND ADJUVANT#
L6 11 S L3 NOT PY>1999

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 14:40:31 ON 20 JUL 2001

L7 59 S L1 OR L2

FILE 'GENBANK' ENTERED AT 14:41:01 ON 20 JUL 2001

FILE 'REGISTRY' ENTERED AT 14:41:07 ON 20 JUL 2001

L8 0 S (L1 OR L2) AND ACGC/SQEN
L9 0 S (L1 OR L2) AND ACGC

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 14:53:15 ON 20 JUL 2001

L10 1056 S 1826
L11 26796 S SAPONIN# OR QS7 OR QS 7 OR QS18 OR QS 18 OR QS21 OR QS 21
OR
L12 0 S L10 AND L11
L13 18 S L10 AND CPG
L14 6 S L13 NOT PY>1999
L15 2 DUP REM L14 (4 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 14:55:50 ON 20 JUL 2001

L16 0 S L1 OR L2
L17 0 S (L1 OR L2) AND ADJUVANT#

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 15:05:16 ON 20 JUL 2001

L18 59 S L1 OR L2

=> s l18 and cpg

L19 54 L18 AND CPG

=> s l19 not py>1999

L20 19 L19 NOT PY>1999

=> dup rem l20

PROCESSING COMPLETED FOR L20

L21 19 DUP REM L20 (0 DUPLICATES REMOVED)

=> d his

(FILE 'HOME' ENTERED AT 12:22:38 ON 20 JUL 2001)

FILE 'GENBANK, MEDLINE, BIOSIS' ENTERED AT 12:22:50 ON 20 JUL 2001

L1 0 S TCTCCCAGCGTGCGCCAT/SQEN

L2 0 S TCTCCCAGCGTGCGCCAT/SQSN

FILE 'GENBANK' ENTERED AT 12:24:33 ON 20 JUL 2001

L3 0 S TCTCCCAGCGTGCGCCAT/SQSN

L4 0 S TCTCCCAGCGTGCGCCAT/SQEN

FILE 'REGISTRY' ENTERED AT 12:25:07 ON 20 JUL 2001

L5 5 S TCTCCCAGCGTGCGCCAT/SQEN

L6 14 S TCTCCCAGCGTGCGCCAT/SQSN

L7 5 S TCCATGACGTTCTGACGTT/SQEN

L8 11 S TCCATGACGTTCTGACGTT/SQSN

L9 25 S L6 OR L8

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:28:38 ON 20 JUL 2001

L10 26796 S SAPONIN# OR QS7 OR QS 7 OR QS18 OR QS 18 OR QS21 OR QS 21

OR

L11 8 S L9 AND L10

L12 8 DUP REM L11 (0 DUPLICATES REMOVED)

=> d his

(FILE 'HOME' ENTERED AT 12:22:38 ON 20 JUL 2001)

FILE 'GENBANK, MEDLINE, BIOSIS' ENTERED AT 12:22:50 ON 20 JUL 2001

L1 0 S TCTCCCAGCGTGCGCCAT/SQEN

L2 0 S TCTCCCAGCGTGCGCCAT/SQSN

FILE 'GENBANK' ENTERED AT 12:24:33 ON 20 JUL 2001

L3 0 S TCTCCCAGCGTGCGCCAT/SQSN

L4 0 S TCTCCCAGCGTGCGCCAT/SQEN

FILE 'REGISTRY' ENTERED AT 12:25:07 ON 20 JUL 2001

L5 5 S TCTCCCAGCGTGCGCCAT/SQEN

L6 14 S TCTCCCAGCGTGCGCCAT/SQSN

L7 5 S TCCATGACGTTCTGACGTT/SQEN

L8 11 S TCCATGACGTTCTGACGTT/SQSN

L9 25 S L6 OR L8

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:28:38 ON 20 JUL 2001

L10 26796 S SAPONIN# OR QS7 OR QS 7 OR QS18 OR QS 18 OR QS21 OR QS 21

OR

L11 8 S L9 AND L10

L12 8 DUP REM L11 (0 DUPLICATES REMOVED)

L13 38 S L10 AND CPG

L14 6 S L13 NOT PY>1999

L15 2 DUP REM L14 (4 DUPLICATES REMOVED)

L16 3 S L10 AND ISS

L17 2 DUP REM L16 (1 DUPLICATE REMOVED)

L18 0 S L10 AND ISSN

L19 3 S L10 AND ODN

L20 1 DUP REM L19 (2 DUPLICATES REMOVED)

L21 0 S L10 AND (UNMETHYL? (P) OLIGO?)

L22 486 S (UNMETHYL? (P) OLIGO?)

L23 759 S (IMMUNOSTIM? (P) OLIGO?)

L24 1155 S L22 OR L23

L25 23 S L10 AND L24

L26 11 S L25 NOT PY>1999

L27 5 DUP REM L26 (6 DUPLICATES REMOVED)

L28 862 S (UNMETHYL? (P) NUCLE?)

L29 0 S L10 AND L28

L30 2528 S (UNMETHYL? (P) DNA)

L31 0 S L10 AND L30

L32 742 S L10 AND OLIGO?

L33 640 S L32 NOT PY>1999

L34 98 S L10 AND (OLIGO# OR OLIGONUCLE?)

L35 62 S L34 NOT PY>1999

L36 56 S L34 NOT PY>1998

L37 44 S L34 AND IMMUNO?

L38 62 S L34 NOT PY>1999

L39 12 S L37 NOT PY>1999

L40 8 DUP REM L39 (4 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 12:45:10 ON 20 JUL 2001

=>

AN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 142193	A1	19850522	EP 1984-201502	19841017
	R: BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AU 8434497	A1	19850426	AU 1984-34497	19841019
	AU 8434498	A1	19850426	AU 1984-34498	19841019
	JP 60172932	A2	19850906	JP 1984-221892	19841022
	JP 60172933	A2	19850906	JP 1984-221893	19841022
PRAI	NL 1983-3646		19831022		

AB **Immunogens** useful as **immunochem.** reagents and vaccines comprise antigens such as polypeptides, or antigenic determinants such as **oligonucleotides**, or their derivs., bonded to reactive groups such as NH₂ or CO₂H of hydrophobic compds. such as phospholipid derivs., which are complexed with at least 1 type of glycoside having a hydrophilic and

a hydrophobic part such as a **saponin**. The resulting **immunogenic** particles are optionally stabilized and(or) protected against digestive degrading. Thus, an infectious bronchitis virus (IBV) protein **immunogen** was prepd. by addn. of 10 mg/mL soln. of infectious bronchitis virus (IBV) antigen to an activated carrier complex.

The IBV antigen was prepd. from avian IBV, purified and lyophilized. The carrier complex was prepd. by addn. of thiocholine in aq. EtOH (1:1) to

18 soln. of **saponin Quil A** resulting in mixed micelles, which were reacted with 5 mM N-succinimidyl 4-(N-maleimidomethyl)cyclohexane-1-carboxylate [64987-85-5]. In the **immunogen** the ratio of **Quil A** to protein was 1:4 by wt. The **immunogen** was visible by electron microscopy.

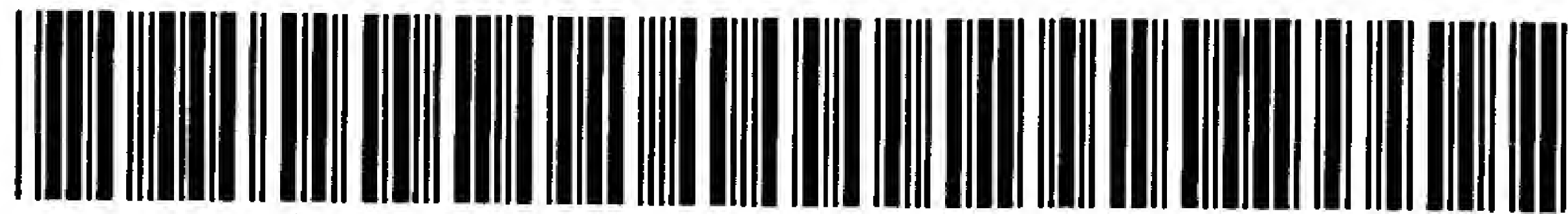
ST **immunogen immunochem** reagent vaccine

IT Polysaccharides, compounds

RL: BIOL (Biological study)

(aminophenylethylamine-activated, reaction products with **Quil A**, for **immunogens**)

IT Antigens



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No.	Doccode	Number of pages
1	SRNT	3

Total number of pages: 3

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